

.....
(Original Signature of Member)

117TH CONGRESS
1ST SESSION

H. R. _____

To require the National Institute of Standards and Technology to establish
a premise plumbing research laboratory, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. CARTWRIGHT introduced the following bill; which was referred to the
Committee on _____

A BILL

To require the National Institute of Standards and Tech-
nology to establish a premise plumbing research labora-
tory, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “NIST Plumbing Re-
5 search Act of 2021”.

6 **SEC. 2. PREMISE PLUMBING RESEARCH.**

7 (a) PREMISE PLUMBING DEFINED.—In this Act, the
8 term “premise plumbing” means the water distribution

1 system located within the property lines of a property, in-
2 cluding all buildings and permanent structures on such
3 property. Such term includes building supply and distribu-
4 tion pipes, fixtures, fittings, water heaters, water-treating
5 and water-using equipment, and all respective joints, con-
6 nections, devices, and appurtenances.

7 (b) RESEARCH.—Not later than 1 year after the date
8 of the enactment of this Act, the Director of the National
9 Institute of Standards and Technology, in collaboration
10 with the Administrator of the Environmental Protection
11 Agency and the Secretary of Energy, shall—

12 (1) establish or designate a laboratory to con-
13 duct research on premise plumbing in relation to
14 water safety, security, efficiency, sustainability, and
15 resilience;

16 (2) conduct an organizational review of all re-
17 search and other activities related to premise plumb-
18 ing conducted by Federal entities; and

19 (3) appoint one or more officers or employees of
20 the Institute to liaise with non-Federal entities con-
21 ducting research or other activities related to
22 premise plumbing.

23 (c) QUADRENNIAL REPORTS.—Not later than 4 years
24 after the date of the enactment of this Act and not less
25 frequently than once every 4 years thereafter, the Director

1 shall submit to Congress a report on the progress made
2 by the Institute regarding—

3 (1) the status of the laboratory described in
4 subsection (b)(1), including any staff designated to
5 work in such laboratory;

6 (2) all projects of the Institute related to
7 premise plumbing, including completed projects,
8 projects in progress, and projects planned for the fu-
9 ture;

10 (3) updates to data relevant to premise plumb-
11 ing system structure, design, and construction; and

12 (4) any progress of private organizations in up-
13 dating premise plumbing standards.

14 (d) AUTHORIZATION OF APPROPRIATIONS.—There
15 are authorized to be appropriated to the National Institute
16 of Standards and Technology such sums as may be nec-
17 essary to carry out this section.